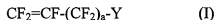


**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

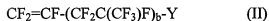
**LISTING OF CLAIMS:**

1. (currently amended): A tetrafluoroethylene polymer aqueous dispersion obtained by carrying out a tetrafluoroethylene polymerization in an aqueous medium in the presence of a fluorovinyl group-containing emulsifier, wherein said tetrafluoroethylene polymer aqueous dispersion contains a particle comprising a tetrafluoroethylene polymer dispersed in said aqueous medium, said fluorovinyl group-containing emulsifier comprises a fluorovinyl group-containing compound (I) represented by the general formula (I):



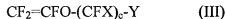
wherein a represents an integer of 1 to 10 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (II) represented by the general formula (II):



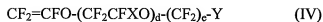
wherein b represents an integer of 1 to 5 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (III) represented by the general formula (III):

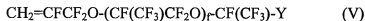


wherein X represents F or  $-\text{CF}_3$ , c represents an integer of 1 to 10 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (IV) represented by the general formula (IV):

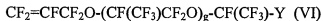


wherein X represents F or -CF<sub>3</sub>, d represents an integer of 1 to 10, e represents an integer of 1 to 3 and Y represents -SO<sub>3</sub>M or -COOM in which M represents H, NH<sub>4</sub> or an alkali metal, a fluorovinyl group-containing compound (V) represented by the general formula (V):



wherein f represents an integer of 0 to 10 and Y represents -SO<sub>3</sub>M or -COOM in which M represents H, NH<sub>4</sub> or an alkali metal, and/or

a fluorovinyl group-containing compound (VI) represented by the general formula (VI):



wherein g represents an integer of 1 to 10 and Y represents -SO<sub>3</sub>M or -COOM in which M represents H, NH<sub>4</sub> or an alkali metal,

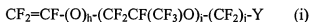
said tetrafluoroethylene polymer aqueous dispersion has a fluorine-containing surfactant content of not higher than 1000 ppm by mass,

wherein the tetrafluoroethylene polymer has a tetrafluoroethylene unit content exceeding 40 mole percent.

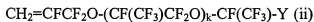
2. (canceled).
3. (previously presented): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, wherein the tetrafluoroethylene polymer is a perfluoro-based polymer.
4. (previously presented): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, wherein the tetrafluoroethylene polymerization is carried out in the absence of any non-byproduct fluorine-containing surfactant.
5. (previously presented): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, wherein the fluorovinyl group-containing emulsifier comprises the

fluorovinyl group-containing compound (I), the fluorovinyl group-containing compound (III), the fluorovinyl group-containing compound (IV) and/or the fluorovinyl group-containing compound (V).

6. (original): The tetrafluoroethylene polymer aqueous dispersion according to Claim 5, wherein the fluorovinyl group-containing emulsifier comprises a fluorovinyl group-containing compound (i) represented by the general formula (i):



wherein h represents an integer of 0 or 1, i represents an integer of 0 to 2, j represents an integer of 1 to 3 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal, and/or a fluorovinyl group-containing compound (ii) represented by the general formula (ii):



wherein k represents an integer of 0 to 3 and Y represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal.

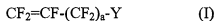
7. (previously presented): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, which has a solid matter concentration of 5 to 70% by mass.

8. (previously presented): The tetrafluoroethylene polymer aqueous dispersion according to Claim 1, wherein the particle comprising the tetrafluoroethylene polymer has an average primary particle diameter of 50 to 500 nm.

9. (withdrawn): A tetrafluoroethylene polymer powder which is obtained by coagulating the tetrafluoroethylene polymer aqueous dispersion according to Claim 1.

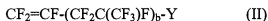
10. (withdrawn): A tetrafluoroethylene polymer molding which is obtained by molding/processing using the tetrafluoroethylene polymer aqueous dispersion according to Claim 1.

11. (withdrawn-currently amended): A method of producing a tetrafluoroethylene polymer aqueous dispersion by carrying out a tetrafluoroethylene polymerization in an aqueous medium in the presence of a fluorovinyl group-containing emulsifier, wherein said tetrafluoroethylene polymer aqueous dispersion contains a particle comprising a tetrafluoroethylene polymer dispersed in said aqueous medium and has a fluorine-containing surfactant content of not higher than 1000 ppm by mass, said fluorovinyl group-containing emulsifier is added in an amount of 0.00001 to 2% by mass relative to said aqueous medium, and said fluorovinyl group-containing emulsifier comprises a fluorovinyl group-containing compound (I) represented by the general formula (I):



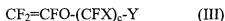
wherein  $a$  represents an integer of 1 to 10 and  $\text{Y}$  represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which  $\text{M}$  represents  $\text{H}$ ,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (II) represented by the general formula (II):



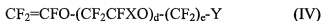
wherein  $b$  represents an integer of 1 to 5 and  $\text{Y}$  represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which  $\text{M}$  represents  $\text{H}$ ,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (III) represented by the general formula (III):

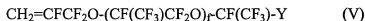


wherein  $\text{X}$  represents  $\text{F}$  or  $-\text{CF}_3$ ,  $c$  represents an integer of 1 to 10 and  $\text{Y}$  represents  $-\text{SO}_3\text{M}$  or  $-\text{COOM}$  in which  $\text{M}$  represents  $\text{H}$ ,  $\text{NH}_4$  or an alkali metal,

a fluorovinyl group-containing compound (IV) represented by the general formula (IV):

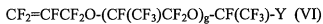


wherein X represents F or  $\text{CF}_3$ , d represents an integer of 1 to 10, e represents an integer of 1 to 3 and Y represents  $\text{SO}_3\text{M}$  or  $\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal, a fluorovinyl group-containing compound (V) represented by the general formula (V):



wherein f represents an integer of 0 to 10 and Y represents  $\text{SO}_3\text{M}$  or  $\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal, and/or

a fluorovinyl group-containing compound (VI) represented by the general formula (VI):



wherein g represents an integer of 1 to 10 and Y represents  $\text{SO}_3\text{M}$  or  $\text{COOM}$  in which M represents H,  $\text{NH}_4$  or an alkali metal,

wherein the tetrafluoroethylene polymer has a tetrafluoroethylene unit content exceeding 40 mole percent.

12. (withdrawn): The method of producing a tetrafluoroethylene polymer aqueous dispersion according to Claim 11, wherein the addition of the fluorovinyl group-containing emulsifier is carried out in the manner of a supplementary addition with the progress of a tetrafluoroethylene polymerization reaction.